

AM9-97-133-US2  
Attorney Docket No. ARC920010067US1 RB

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrett, Robert C., et al.  
Serial No.: unknown  
Filed: 05/23/01  
For: "User-Centered PUSH Methods and System"  
Group No.: 2172  
Examiner: Corrielus, J.

Box PATENT APPLICATION  
Commission for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please enter the following Preliminary Amendment.

**In the Specification:**

Please insert the following section heading and paragraph following the title of the application and immediately before the section called Background:

**Related Application and Claim of Priority**

This is a divisional application of, and claims priority from co-pending U.S. Patent Application, Serial No. 08/979,064, filed 11/26/97, entitled "User-Centered PUSH Methods and System".

**In the Claims:**

Replace the claims with the following claims that correspond to claims 52, 22-25, respectively, of the parent application (before election).

- 1 1. A system for monitoring events in an environment, for making inferences about
- 2 the monitored events, and for reporting selected inferences to a client, the system
- 3 comprising:
- 4 at least one observer agent for monitoring a selected event of an environment,
- 5 and for creating a primitive fact which incorporates a status of the monitored event;

6 a dynamic user model for storing created facts, the stored facts being accessible  
7 by the agents; and

8 at least one reporter agent for examining created facts, for defining and  
9 identifying reportable facts, and for delivering a copy of the reportable facts to a  
10 receiving client.

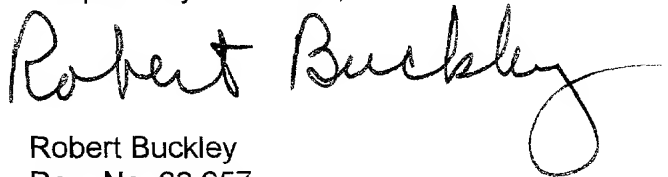
1 2. The system as set forth in Claim 1, wherein the at least one observer agent, and  
2 the at least one reporter agent each defines an independent, concurrent programming  
3 thread.

1 3. The system as set forth in Claim 2, wherein the at least one reporter thread is  
2 triggered by the creation of each new primitive fact, whereby delivery of reportable facts  
3 to a client is triggered by occurrence of monitored events.

1 4. The system as set forth in Claim 1, including at least one fact deriving agent for  
2 examining all existing facts, for creating new facts from one or more existing facts, and  
3 for linking each new fact to a parent fact of the new fact, forming fact nets of linked  
4 facts, and further including all fact nets being stored in the dynamic user model.

1 5. The system as set forth in Claim 4, including a fact pruning agent defining a no-  
2 longer-valid fact and a descendant of a fact, the fact pruning agent eliminating each no-  
3 longer-valid fact and all its descendants from the fact nets.

Respectfully submitted,



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